



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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2. The undersigned is an attorney of record.

The terminal disclaimer fee under 37 C.F.R. §1.20(d) of \$130.00 is hereby authorized to be withdrawn from Deposit Account Number 50-1391.

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*International Phonetic Alphabet*, courtesy International Phonetic Association

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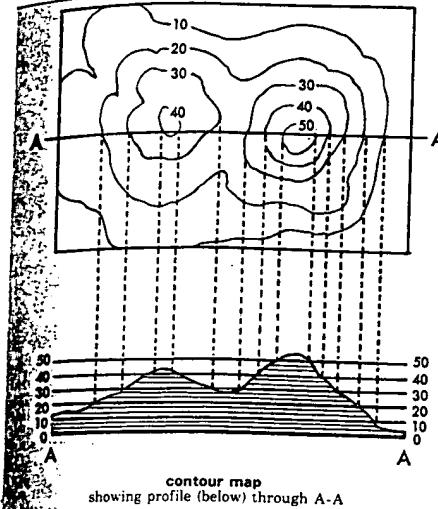
# BEST AVAILABLE COPY

contour map

441

contrapositive

**con/tour map**, a topographic map on which the shape of the land surface is shown by contour lines, the relative spacing of the lines indicating the relative slope of the surface. [1860-65]



contour map  
showing profile (below) through A-A

**con/tour sheet**, a bed sheet designed to fit snugly over a mattress or the like, often having elastic material to hold down the corners.

**contr.** 1. contract. 2. contracted. 3. contraction. 4. contralto. 5. contrary. 6. contrasted. 7. control. 8. controller.

**contra<sup>1</sup>** (kon'trə), prep. 1. against; in opposition or contrast to: *Consider the problems of the teenager contra those of the adult.* —adv. 2. contrariwise; on or to the contrary. [1350-1400; ME < L *contra*]

**contra<sup>2</sup>** (kón'trə; Sp. kón'trā), n., pl. -tras (-traz; Sp. -trás), (often cap.) a member of a counterrevolutionary guerrilla group in Nicaragua. [ < AmerSp, shortening of *contrarrevolucionario* COUNTERREVOLUTIONARY]

**contra<sup>3</sup>**, a prefix meaning "against," "opposite," "opposing," used in the formation of compound words: *contradiction*. [ < L, prefixed use of adv. and prep. *contra*]

**contra<sup>4</sup>**, Music. a prefix meaning "pitched lower than normal": *contrabassoon*. [ < It < L (see CONTRA<sup>1</sup>); prob. generalized in E on the basis of its borrowings, e.g., *CONTRABASS*, CONTRALTO, CONTRAPUNTAL, etc.]

**contra-band** (kon'trə band'), n. 1. anything prohibited by law from being imported or exported. 2. goods imported or exported illegally. 3. illegal or prohibited trade; smuggling. 4. *Internal Law*. See *contraband of war*. 5. (during the American Civil War) a black slave who escaped to or was brought within the Union lines. —adj. 6. prohibited from export or import. [1520-30; earlier *contrabanda* < Sp < It *contrabando* (now *contrabando*), equiv. to *contra-* CONTRA<sup>1</sup> + ML *bandum*, var. of *bandum* BAN<sup>1</sup>]

**contra-band-ist** (kon'trə band'ist), n. a person engaged in contraband trade; smuggler. [1810-20; < Sp *contrabandista*. See CONTRABAND, -IST] —con'tra-band'ism, n.

**contra-band of war**, *Internal Law*. goods that a neutral nation cannot supply to a belligerent nation except at the risk of seizure and confiscation. [1795-1805]

**contra-bass** (kon'trə bās'), Music. —n. 1. (in any family of instruments) the member below the bass. 2. (in the violin family) the double bass. —adj. 3. of, pertaining to, or characteristic of such instruments: a *contra-bass trombone*. [1590-1600; < It; see CONTRABASSO]

**contra-bass-ist** (kon'trə bās'ist, -bās'ist), n.

**contra-bass-oso** (kon'trə bāsō, -bāsō; It. kón'trābāsō), n., pl. -bas-sos, -bas-si (-bāsē, -bāsē; It. bāsē), adj. Music. contrabass. [ < It *contrabbasso*, equiv. to *contra-* CONTRA<sup>2</sup> + *basso* BASS<sup>1</sup>]

**contra-bas-soon** (kon'trə bā sōn, -bāsō), n. a bassoon larger in size and an octave lower in pitch than the ordinary bassoon; a double bassoon. [1890-95; CONTRA<sup>2</sup> + *bassoon*] —con'tra-bas-soon'ist, n.

**contra-cept** (kon'trə sep't), v.t. 1. to prevent the conception of (offspring). 2. to prevent pregnancy or impregnation; provide with the means for birth control. [1905-10; back formation from CONTRACEPTION]

**contra-ception** (kon'trə sep'shən), n. the deliberate prevention of conception or impregnation by any of various drugs, techniques, or devices; birth control. [1885-90; CONTRA<sup>1</sup> + (CON)CEPTION]

**contra-cep-tive** (kon'trə sep'tiv), adj. 1. tending or serving to prevent conception or impregnation. 2. pertaining to contraception. —n. 3. a contraceptive device, e.g., foam, etc. [1890-95; CONTRA<sup>1</sup> + (CON)CEPTIVE]

**contra-clock-wise** (kon'trə klok'wiz'), adj., adv. —adv. 1. adj. and usually for v. 16-18, 22, 23 *contrack*; otherwise v. *kan trakt'*, n. 1. an agreement between two or more parties for the doing or not doing something specified. 2. an agreement enforceable by the written form of such an agreement. 4. the law dealing with contracts. 5. Also called *contra-tract* [CONTRA<sup>1</sup> + CLOCKWISE]

**contra-tract** (n., adj., and usually for v. 16-18, 22, 23 *contrack*; otherwise v. *kan trakt'*), n. 1. an agreement between two or more parties for the doing or not doing something specified. 2. an agreement enforceable by the written form of such an agreement. 4. the law dealing with contracts. 5. Also called *contra-tract* [CONTRA<sup>1</sup> + CLOCKWISE]

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**contra-tract bridge** a variety of bridge in which the side and wins the bid can earn toward game only that num-

ber of tricks named in the contract, additional points being credited above the line. Cf. auction bridge. 6. (in auction or contract bridge) a. a commitment by the declarer and his or her partner to take six tricks plus the number specified by the final bid made. b. the final bid itself. c. the number of tricks so specified, plus six. 7. the formal agreement of marriage; betrothal. 8. *Slang* an arrangement for a hired assassin to kill a specific person. 9. put out a contract on, *Slang*. to hire or attempt to hire an assassin to kill (someone): *The mob put out a contract on the informer.* —adj. 10. under contract; governed or arranged by special contract: a *contra-carrier*. —v.t. 11. to draw together or into smaller compass; draw the parts of together; to contract a muscle. 12. to wrinkle; to contract the brows. 13. to shorten (a word, phrase, etc.) by combining or omitting some of its elements: *Contracting "do not" yields "don't."* 14. to get or acquire, as by exposure to something contagious: to contract a disease. 15. to incur, as a liability or obligation: to contract a debt. 16. to settle or establish by agreement: to contract an alliance. 17. to assign (a job, work, project, etc.) by contract: *The publisher contracted the artwork.* 18. to enter into an agreement with: to contract a free-lancer to do the work. 19. to enter into (friendship, acquaintance, etc.). 20. to be troth. —v.i. 21. to become drawn together or reduced in compass; become smaller; shrink: *The pupils of his eyes contracted in the light.* 22. to enter into an agreement: to contract for snow removal. 23. *contract out*, to hire an outside contractor to produce or do. [1275-1325; (n.) ME < L *contractus* undertaking a transaction, agreement, equiv. to *contrac-*, var. s. of *contrahere* to draw in, bring together, enter into an agreement (con- CON- + *trahere* to drag, pull; cf. TRACTION) + -tus suffix of v. action; (v.) < L *contractus*, ptp. of *contrahere*] —con'tract-ee, n. —con'tract-l'ble, adj. —con'tract-l'ble-ness, n. —con'tract-ibl'y, adv. —Syn. 1. See *agreement*. 11. reduce, shorten, lessen, narrow, shrivel, shrink. *CONTRACT*, *COMPRESS*, *CONDENSE* imply retaining original content but reducing the amount of space occupied. *CONTRACT* means to cause to draw more closely together: to *contract a muscle*. *COMPRESS* suggests fusing to become smaller by means of fairly uniform external pressure: to *compress gases into liquid form*. *CONDENSE* implies causing to gather around a point: to *concentrate troops near an objective*; to *concentrate one's strength*. *CONDENSE* implies increasing the compactness, or thickening of, a liquid. It is also used to refer to the reducing in length of a book or the like. —Ant. 11. expand.

**contra/tract bond**, an indemnity agreement to protect against loss due to breach of contract. Cf. *performance bond*.

**contra/tract<sup>1</sup>** (kən trak'tid), adj. 1. drawn together; reduced in compass or size; made smaller; shrunken. 2. condensed; abridged. 3. (of the mind, outlook, etc.) narrow or illiberal; restricted: a *contracted view of human rights*. [1540-50; CONTRACT + -ED<sup>2</sup>] —con'tract-ed-ly, adv. —con'tract-ed-ness, n.

**contra/tract fur/niture**, furniture designed and manufactured for commercial installation, as in offices, waiting rooms, or lobbies.

**contra/tract-ile** (kən trak'til, -til), adj. capable of contracting or causing contraction. [1700-10; CONTRACT + -ILE] —con'tract-il'ly (kon'trak til'ē tē), n.

**contra/tractile vac'uole**, Cell Biol. a membrane-enveloped cellular organelle, found in many microorganisms, that periodically expands, filling with water, and then contracts, expelling its contents to the cell exterior: thought to be important in maintaining hydrostatic equilibrium. See diags. under *ameba*, *paramecium*. [1875-80]

**contra/ction** (kən trak'shən), n. 1. an act or instance of contracting. 2. the quality or state of being contracted. 3. a shortened form of a word or group of words, with the omitted letters often replaced in written English by an apostrophe, as *e'er* for *ever*, *isn't* for *is not*, *dep't* for *department*. 4. *Physiol.* the change in a muscle by which it becomes thickened and shortened. 5. a restriction or withdrawal, as of currency or of funds available as call money. 6. a decrease in economic and industrial activity (opposed to expansion). [1375-1425; late ME ( < MF) < L *contractiōn-* (s. of *contractiō*), equiv. to *contractus* drawn together, ptp. of *contrahere* (see CONTRACT) + -iōN, -ION] —con'tract-iōn'al, adj. —Usage. Contractions such as *isn't*, *couldn't*, *can't*, *weren't*, *he'll*, *they're* occur chiefly, although not exclusively, in informal speech and writing. They are common in personal letters, business letters, journalism, and fiction; they are rare in scientific and scholarly writing. Contractions occur in formal writing mainly as representations of speech.

**contra/ction joint**, Archit., Civ. Engin. a joint between two parts of a structure, designed to compensate for the contraction to which either part may be subject. [1905-10]

**contra/ctive** (kən trak'tiv), adj. 1. serving or tending to contract. 2. capable of contracting. [1615-25; CONTRACT + -IVE] —con'tract-iōn'al, adj. —con'tract-iōn'al-ness, n.

**contra/ct la/bor**, 1. labor coercible by the enforceable provisions of a contract. 2. foreign labor supplied under contract for a particular job.

**contra/ctor** (kon'trak tər, kan trak'tər), n. 1. a person who contracts to furnish supplies or perform work at a certain price or rate. 2. something that contracts, esp. a muscle. 3. *Bridge*. the player or team who makes the final bid. [1540-50; < LL; see CONTRACT, -TOR]

**contra/ct prac/tice**, the medical treatment of a group of persons by a physician or physicians with fees and services mutually agreed upon in advance.

**contra/ctual** (kon'trak'chü əl), adj. of, pertaining to, or secured by a contract. [1860-65; < L *contractus* CONTRACT + -AL<sup>1</sup>] —con'tract'u-ally, adv.

**contra/cture** (kən trak'tchü ər), n. Pathol. a shortening or distortion of muscular or connective tissue due to spasm, scar, or paralysis of the antagonist of the contracting muscle. [1650-60; < L *contractūra*, equiv. to *contractus* drawn together (ptp. of *contrahere*; see CONTRACT) + -tūra-URE] —con'tract'ured, adj.

**contra/cy-cli/cal** (kon'trə sī'kli kəl, -sik'li-), adj. countercyclical. [CONTRA<sup>1</sup> + CYCLICAL] —con'tra/cy-cli-cal-i-ty, n.

**contra/dance** (kon'trə dans', -dāns'), n. contradanse.

**contra/dict** (kon'trə dik't), v.t. 1. to assert the contrary or opposite of; deny directly and categorically. 2. to speak contrary to the assertions of: to *contradict oneself*. 3. (of an action or event) to imply a denial of: *His way of life contradicts his stated principles*. 4. Obs. to speak or declare against; oppose. —v.i. 5. to utter a contrary statement. [1560-70; < L *contradictus* (ptp. of *contradicere* to gainsay), equiv. to CONTRA<sup>1</sup> + DIC- (var. s. of *dicere* to speak) + -tus ptp. suffix] —con'tract-dict'able, adj. —con'tract-dict'er, con'tract-dict'or, n. —Syn. 1, 2. gainsay, impugn, controvert, dispute. See *deny*. —Ant. 1. support.

**contra/dic-tion** (kon'trə dik'shən), n. 1. the act of contradicting; gainsaying or opposition. 2. assertion of the contrary or opposite; denial. 3. a statement or proposition that contradicts or denies another or itself and is logically incongruous. 4. direct opposition between things compared; inconsistency. 5. a contradictory act, fact, etc. [1350-1400; ME *contradiccion* (< AF) < L *contradicōn* (s. of *contradicō*). See CONTRADICT, -ION]

**contra/dic-tious** (kon'trə dik'shəs), adj. 1. inclined to contradict; disputatious. 2. *Archaic*. self-contradictory. [1595-1605; CONTRADICT + -IOUS] —con'tract-dic-tious-ly, adv. —con'tract-dic-tious-ness, n.

**contra/dic-tive** (kon'trə dik'tiv), adj. tending or inclined to contradict; involving contradiction; contradictory. [1620-30; CONTRADICT + -IVE] —con'tract-dic-tiv-ly, adv. —con'tract-dic-tive-ness, n.

**contra/dic-tory** (kon'trə dik'tōrē), adj., n., pl. -ties. —adj. 1. asserting the contrary or opposite; contradictory; inconsistent; logically opposite: *contradictory statements*. 2. tending or inclined to contradict. —n. 3. Logic. a proposition so related to a second that it is impossible for both to be true or both to be false. [1350-1400; ME < LL *contradicōrius*, equiv. to *contradicere* (see CONTRADICT) + *-tōrius* TORY] —con'tract-dic-to-ri-ly, adv. —con'tract-dic-to-ri-ness, n.

**contra-dis-tinc-tion** (kon'trə di sting'shən), n. distinction by opposition or contrast: *plants and animals in contradistinction to humans*. [1640-50; CONTRA<sup>1</sup> + DISTINCTION] —con'tract-dis-tinc-tive, adj. —con'tract-dis-tinc-tively, adv.

**contra-dis-tin-guish** (kon'trə di sting'gwish), v.t. to distinguish by contrasting opposite qualities. [1615-25; CONTRA<sup>1</sup> + DISTINGUISH]

**contra-guide rud'der** (kon'trə gīd'ər), Naut. a rudder having a horizontal offset of its upper and lower halves to improve the flow characteristics of the propeller race.

**contra/trail** (kon'trāl), n. a visible condensation of water droplets or ice crystals from the atmosphere, occurring in the wake of an aircraft, rocket, or missile under certain conditions. Also called *condensation trail*, *vapor trail*. [1940-45; CONDENSATION TRAIL]

**contra/ind-i-cate** (kon'trə in'di kāt'), v.t., -cat-ed, -cat-ing. Med. (of a symptom or condition) to give indication against the advisability of (a particular or usual remedy or treatment). [1660-70; prob. back formation from CONTRAINDICATION] —con'tract-ind-i-cant, (kon'trə in'di kānt), n. —con'tract-ind-i-ca-tion, n.

**contra-lat'er-al** (kon'trə lat'ər əl), adj. (of the body) pertaining to, situated on, or coordinated with the opposite side. [1880-85; CONTRA<sup>1</sup> + LATERAL]

**contra/lot-to** (kon'trə lōtō), n., pl. -tos, adj. Music. —n. 1. the lowest female voice or voice part, intermediate between soprano and tenor. 2. the alto, or highest voice part. 3. a singer with a contralto voice. —adj. 4. pertaining to the contralto voice or its compass. [1720-30; < It, equiv. to *contr(a) CONTRA<sup>2</sup> + alto ALTO*]

**contra/oc-tave** (kon'trə ok'tāv', -tāv), n. Music. the octave between the second and third C's below middle C. [1890-95; CONTRA<sup>2</sup> + OCTAVE]

**contra/or-bit-al** (kon'trə ör'bi tl), adj. or of pertaining to flight in the orbit of, but in a direction contrary to, a given rocket, ballistic missile, satellite, etc. [CONTRA<sup>1</sup> + ORBITAL] —con'tract-or-bit-al-ly, adv.

**contra/plete** (kon'trə plēt), n. Philos. either of two opposed and complementary elements in a relationship. [CONTRA<sup>1</sup> + (COM)PLET] —con'tract-ple-tal, adj.

**contra/pose** (kon'trə pōz'), v.t., -posed, -pos-ing, to place in contradistinction. [1610-20; back formation from CONTRAPOSED < L *contrāpositus*, ptp. of *contrāponere* to place against, with -ED<sup>2</sup> for L *-itus* ptp. suffix]

**contra-po-si-tion** (kon'trə po zish'ən), n. 1. placement opposite or against. 2. opposition, contrast, or antithesis. 3. Logic. the inference drawn from a proposition by negating its terms and changing their order, as by inferring "Not B implies not A" from "A implies B." [1545-55; < LL *contrāposition-* (s. of *contrapositio*). See CONTRA<sup>1</sup>, POSITION]

**contra-pos-i-tive** (kon'trə poz'i tiv), Logic. —adj. 1. or of pertaining to contradistinction. —n. 2. a contradi-

CONCISE PRONUNCIATION KEY: act, cāpē, dārē, pārt; set, équal; if, iēz; ox, bōr, ólder, oil, bōok, bōot, out, up, úrge; child, sing; shoe, thin; that: zh as in *treasure*. a = a as in *alone*, e as in *system*, i as in *easy*; o as in *gallop*, u as in *circus*; ë as in *fire* (fīr), hour (ou'ər), l and n can serve as syllabic consonants, as in *cradle* (krād'l), and *button* (but'n). See the full key inside the front cover.



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Effective immediately kindly forward all future correspondence for the patent applications listed below directly to his office.

US Patent Application	09/574,857
US Patent Application	10/444,884
US Patent Application	07/490,859
US Patent Application	08/306,221
US Patent Application	08/604,778
US Patent Application	09/189,043

Respectfully submitted,  
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